

# Dynamic Engineers Inc.

Website: <a href="www.DynamicEngineers.com">www.DynamicEngineers.com</a> Email: <a href="mailto:lnquiry@DynamicEngineers.com">lnquiry@DynamicEngineers.com</a>

#### **Features and Benefits**

Center frequency: 881.5MHz I.L: 3.2dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-881.5MHz-A 881.5MHz Small Size SMD SAW Filter



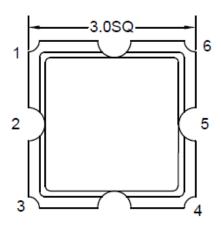
### **Typical Applications**

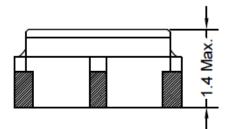
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

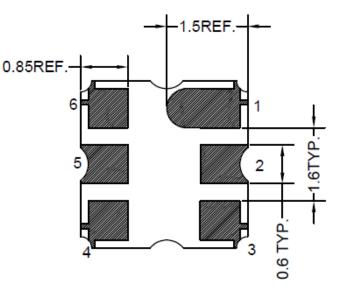
#### **Mechanical Drawing & Pin Connections**



MD240080-1







	PIN	Function						
	#2	INPUT						
	#5	OUTPUT						
	Others	GND						
Unit in mm								
1mm = 0.0394 inches								
Not Specified Tolerance: ±0.2mm								

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## **Specifications**

Parameter		Min.	Typical	Max.	Units
Center Frequency Fc			881.5		MHz
Insertion Loss (869~894 MHz) IL			2.2	3.2	dB
Amplitude Ripple (869~894 MHz)			0.9	2.2	dB
VSWR (869~894 MHz)			1.7	2.2	
Attenuation (Reference level from 0 dB)					
10 ~ 800 MHz		20	28		dB
824 ~ 849 MHz		35	38		dB
939 ~ 1088 MHz		28	31		dB
1088 ~ 1119 MHz		28	32		dB
1119 ~ 2600 MHz		20	26		dB
Input Power Level		10		dBm	
DC Voltage			0		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50		Ω
Load impedance (single ended)			50		Ω
Moisture Sensitivity Level		Level 1(MSL1)			
ESD MM			100		V
ESD HBM			200		V

Note: No matching network required for operation at 50  $\ensuremath{\Omega}$